

Title (en)  
METHOD FOR PRODUCING A REINFORCED FIBER COMPOSITE

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES VERFESTIGTEN FASERVERBUNDES

Title (fr)  
PROCEDE DE FABRICATION D'UNE NAPPE DE FIBRES RENFORCEE

Publication  
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Application  
**EP 98903942 A 19980225**

Priority

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Abstract (en)  
[origin: WO9838373A1] The invention relates to a method for producing a reinforced fiber composite which contains cellulosic fibers, the cellulose being present in the crystalline structure cellulose II, by bringing said fiber composite into contact with an aqueous solution of N-methylmorpholin-N-oxide (NMMO) at an elevated temperature and subsequently washing said fiber composite. Said method is characterized in that the fiber composite is brought into contact with the aqueous solution in such a way that the relationship  $-947 + 0.30 \times \log(10)t + 0.046 \times T - 3.53 \times C + 645 \times \log(10)C$  where t is the time in minutes during which the fiber composite is kept in contact with the aqueous NMMO solution, T is the temperature of the aqueous NMMO solution in DEG C and C is the concentration of the NMMO in % mass in relation to the aqueous NMMO solution, gives a figure in the region of 0.30 and 1.70 on the condition that the temperature T is less than 130 DEG C and the concentration C lies in the region of 70 to 84 % mass.

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IPC 8 full level  
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Citation (search report)  
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